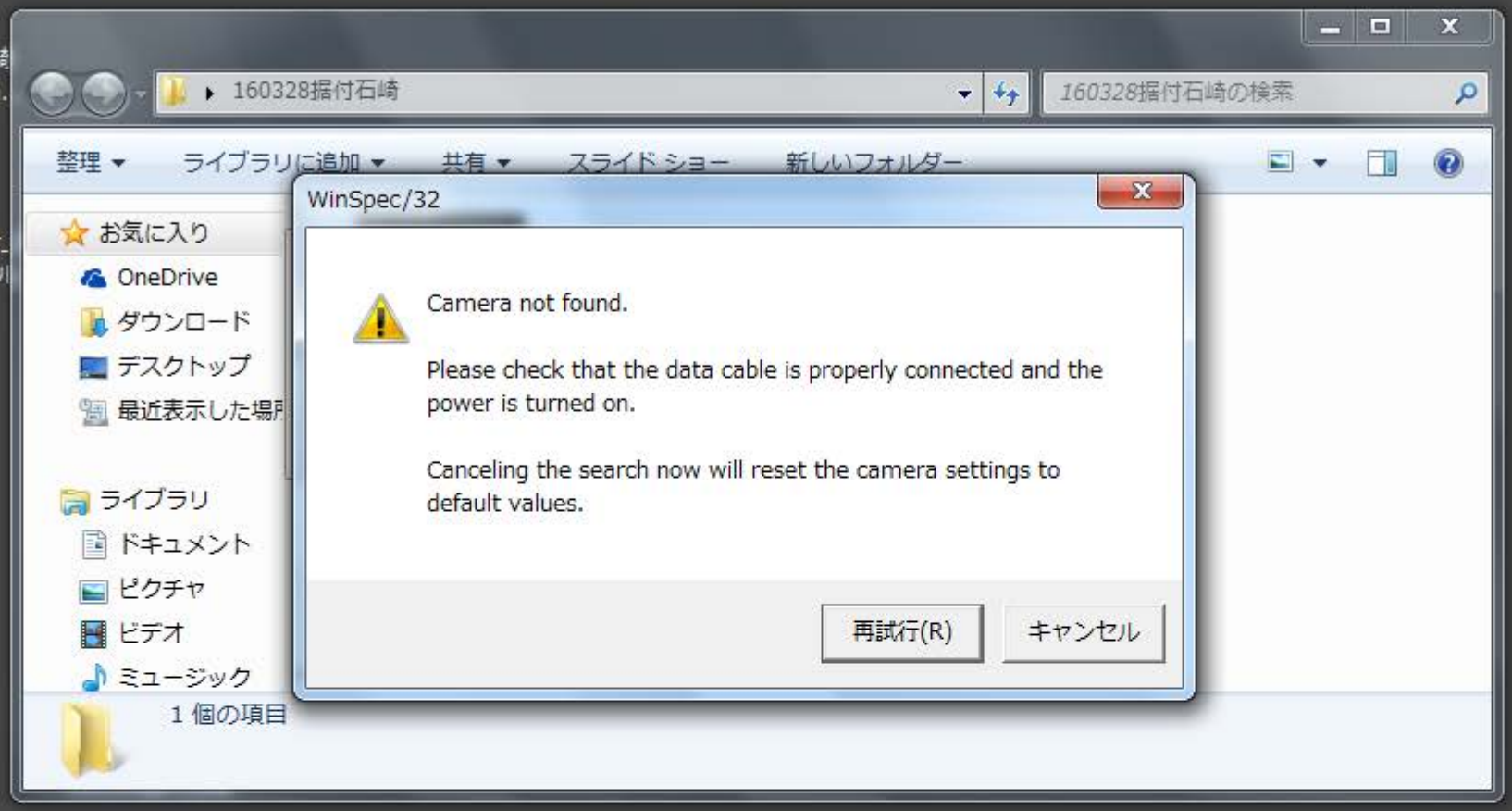
01_下のWinspecをクリック

02_キャンセルをえらぶ



WinSpec/32

File Edit View Acquisition Calibration Tools Display Spectrograph Process Setup Window Help

Hardware...
Detector Temperature...
Pulsers...
Environment...
Custom Toolbar...
Preferences...
Load Factory Defaults
Diagnostics

03_Hardwareを選ぶ

Settings for Camera, Controller, Interface

10:29
2016/03/28

WinSpec/32

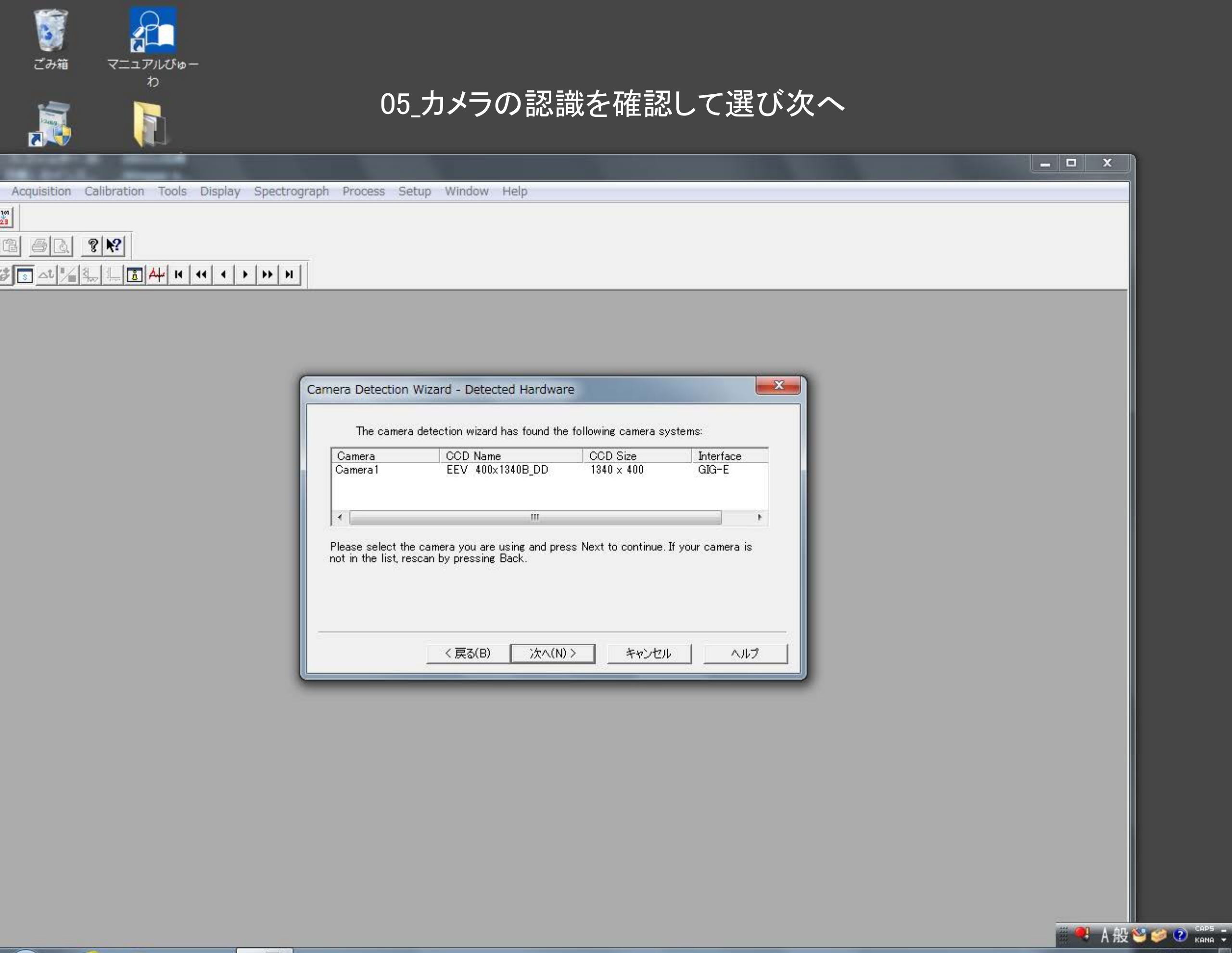
File Edit View Acquisition Calibration Tools Display Spectrograph Process Setup Window Help

04_次へを選ぶ

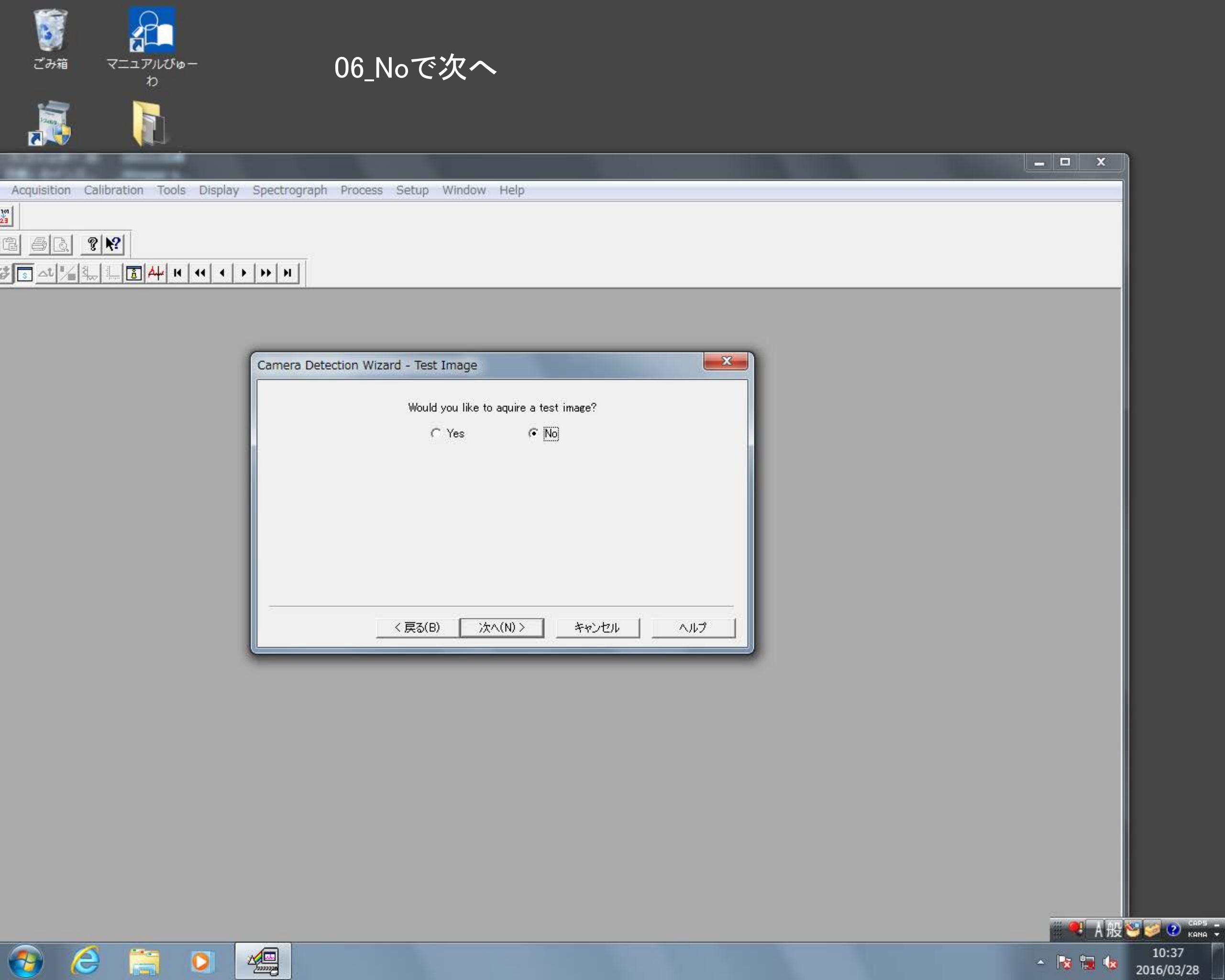
For Help, press F1

10:30
2016/03/28

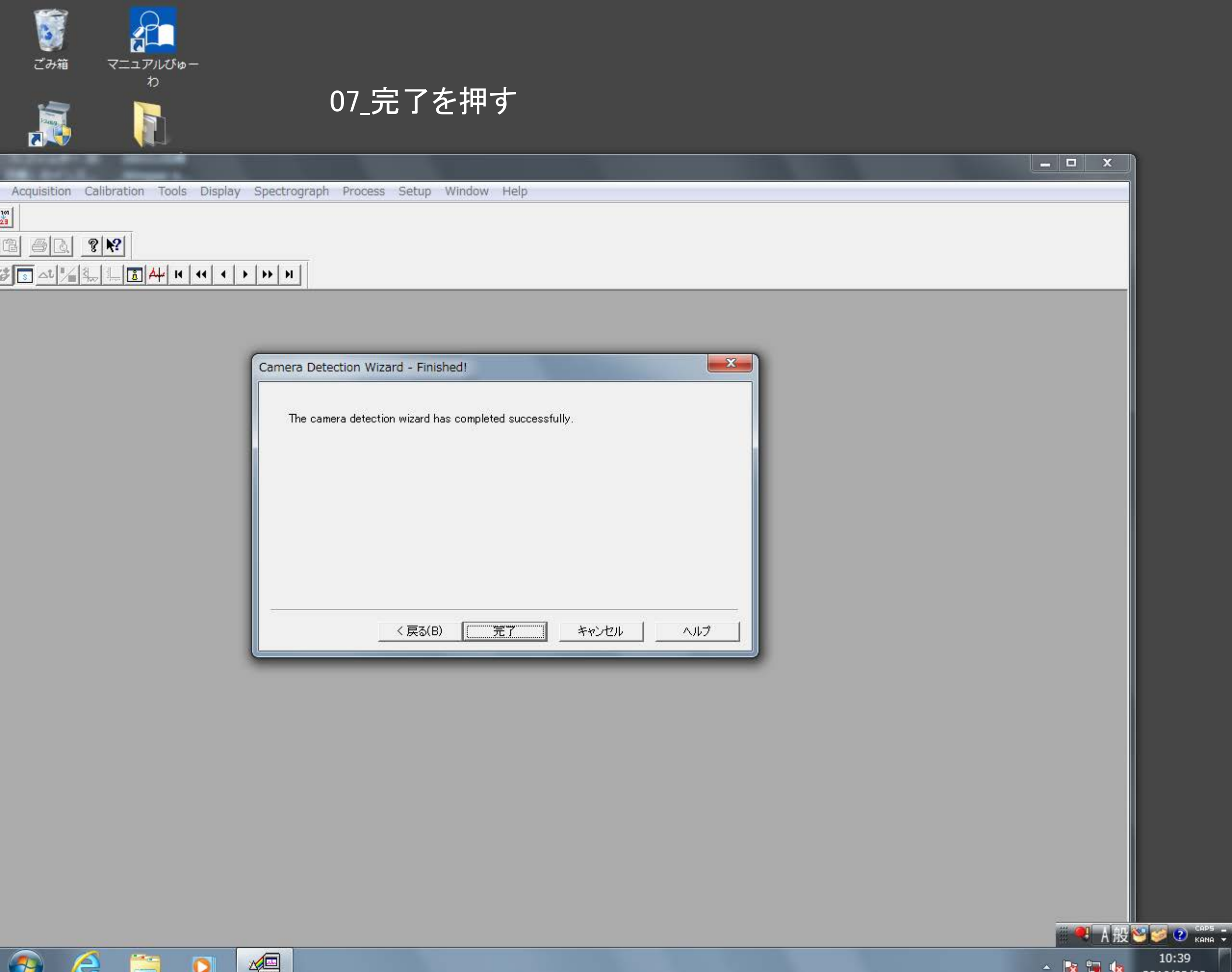
05_カメラの認識を確認して選び次へ



06_Noで次へ


ごみ箱
マニュアルびゅーわ
Acquisition Calibration Tools Display Spectrograph Process Setup Window Help
Camera Detection Wizard - Test Image
Would you like to aquire a test image?
Yes
No
< 戻る(B)
次へ(N) >
キャンセル
ヘルプ
10:37
2016/03/28

07_完了を押す


ごみ箱
マニュアルぴゅーわ
Acquisition Calibration Tools Display Spectrograph Process Setup Window Help
Camera Detection Wizard - Finished!
The camera detection wizard has completed successfully.
< 戻る(B)
完了
キャンセル
ヘルプ
10:39
2016/03/28

WinSpec/32

File Edit View Acquisition Calibration Tools Display Spectrograph Process Setup Window Help

Move ...
Define ...
Calibrate...

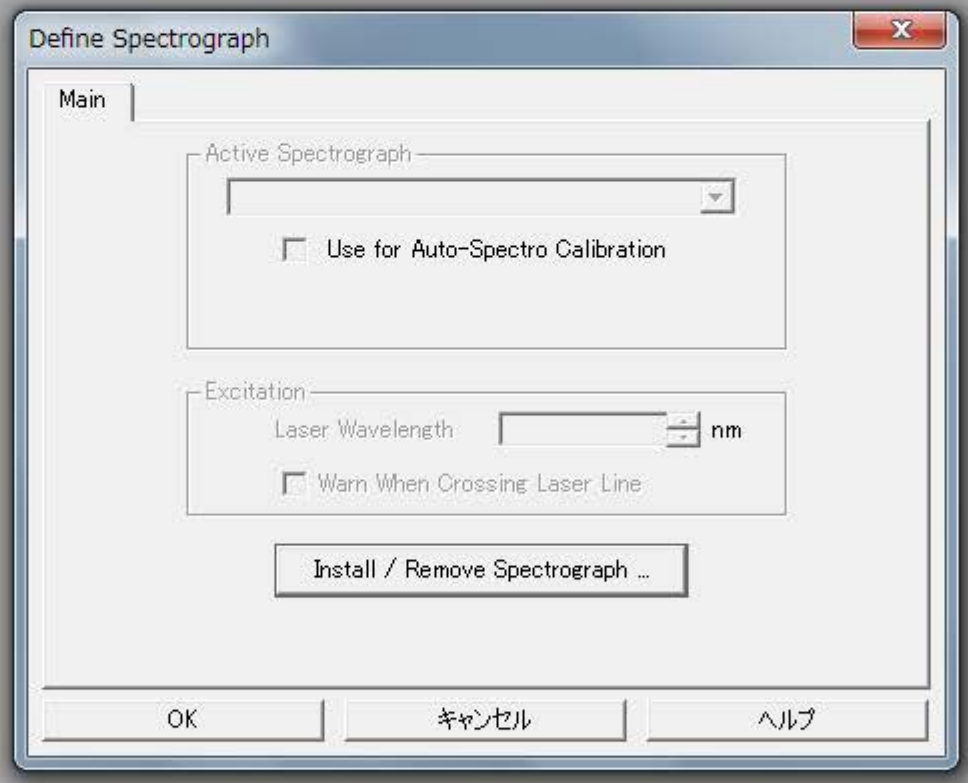
08_分光器の定義

10:40
2016/03/28

WinSpec/32

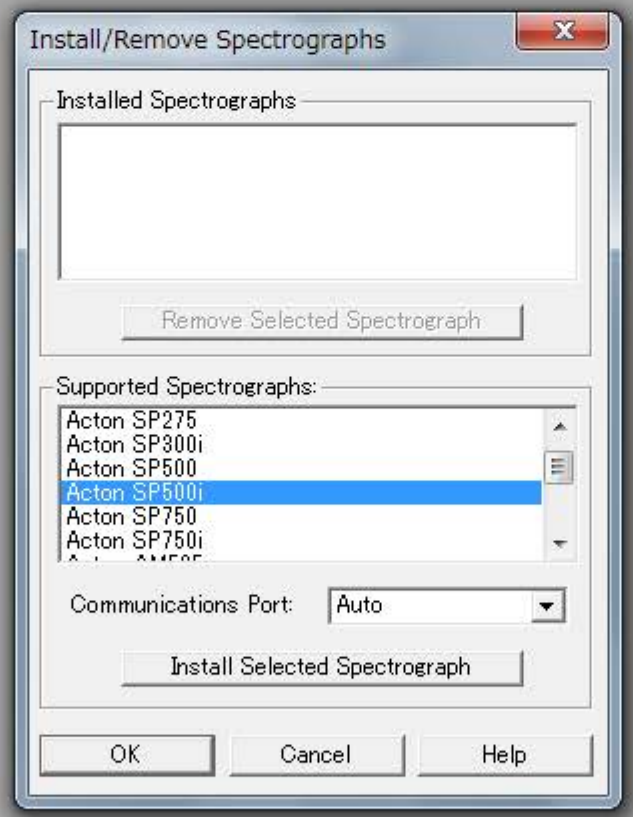
File Edit View Acquisition Calibration Tools Display Spectrograph Process Setup Window Help

09_Install Removeをクリック



10:41
2016/03/28

10_Acton SP500iを選ぶ



ごみ箱

マニュアルびゅーわ

「i-フィルター 30日版」のインス...

160311石崎_Winspec a...

Acr

PCお

sMe

イン

グラフィックス...

ウイルスバスターのインストール

お客様満足度アンケート

バックアップツール

160328掘付石崎

整理 プレビュー 共有

お気に入り

OneDrive

ダウンロード

デスクトップ

最近表示した場所

ライブラリ

ドキュメント

ピクチャ

ビデオ

ミュージック

06_Noでtu

09_Insta Removeを ック

10_Acton SP500iを選ぶ

PNG イメージ

WinSpec/32

File Edit View Acquisition Calibration Tools Display Spectrograph Process Setup Window Help

11_SP500iが入る

Install/Remove Spectrographs

Installed Spectrographs

Acton SP500i

Remove Selected Spectrograph

Supported Spectrographs:

Acton SP150
Acton SP275
Acton SP300i
Acton SP500
Acton SP500i
Acton SP750

Communications Port: Auto

Install Selected Spectrograph

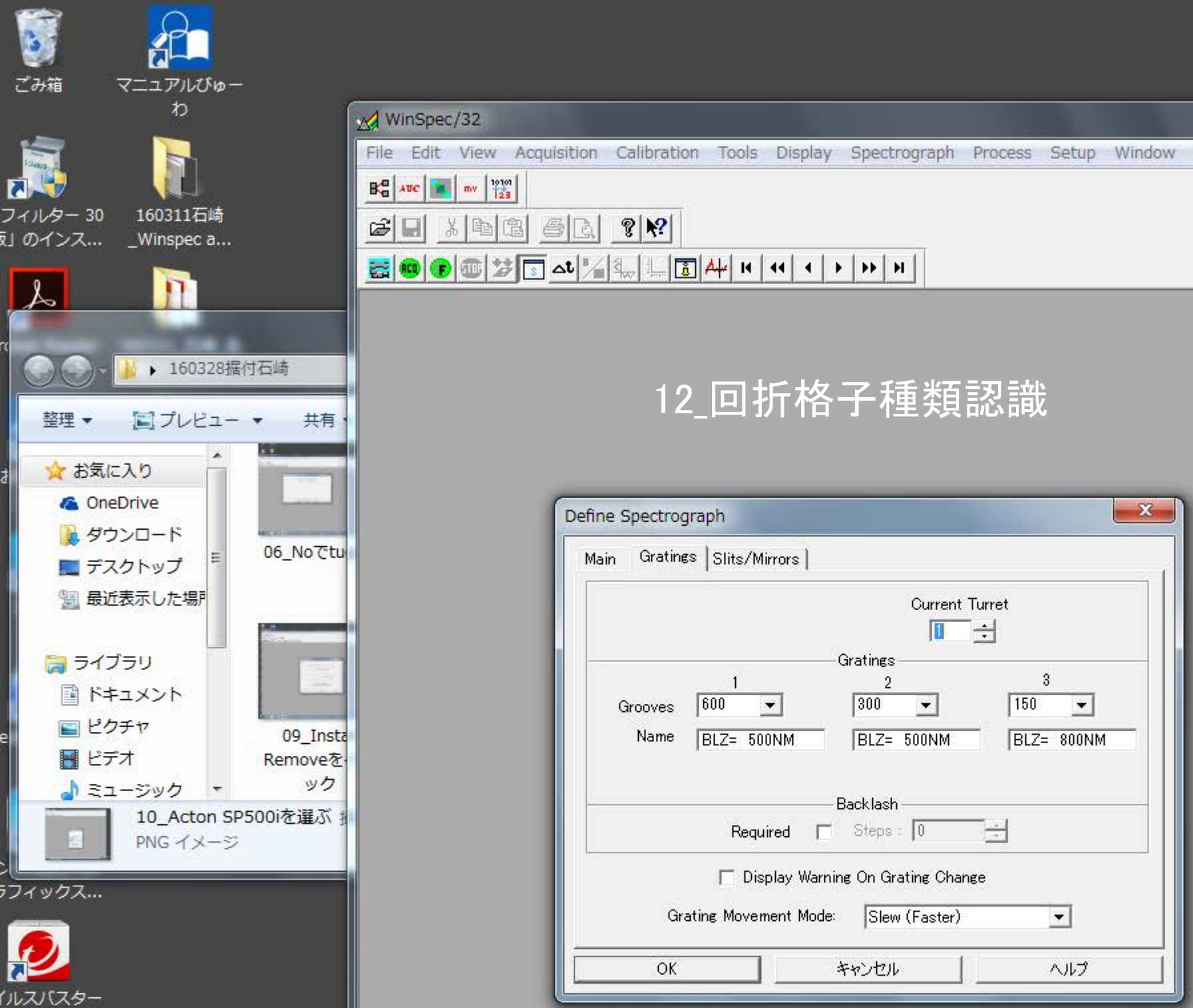
OK Cancel Help

A 般

CAPS KANA

11:00
2016/03/28

12_回折格子種類認識


WinSpec/32
File Edit View Acquisition Calibration Tools Display Spectrograph Process Setup Window Help
Define Spectrograph
Main Gratings Slits/Mirrors
Current Turret
Gratings
1 2 3
Grooves 600 300 150
Name BLZ= 500NM BLZ= 500NM BLZ= 800NM
Backlash
Required Steps : 0
Display Warning On Grating Change
Grating Movement Mode: Slew (Faster)
OK キャンセル ヘルプ
160328据付石崎
整理 プレビュー 共有
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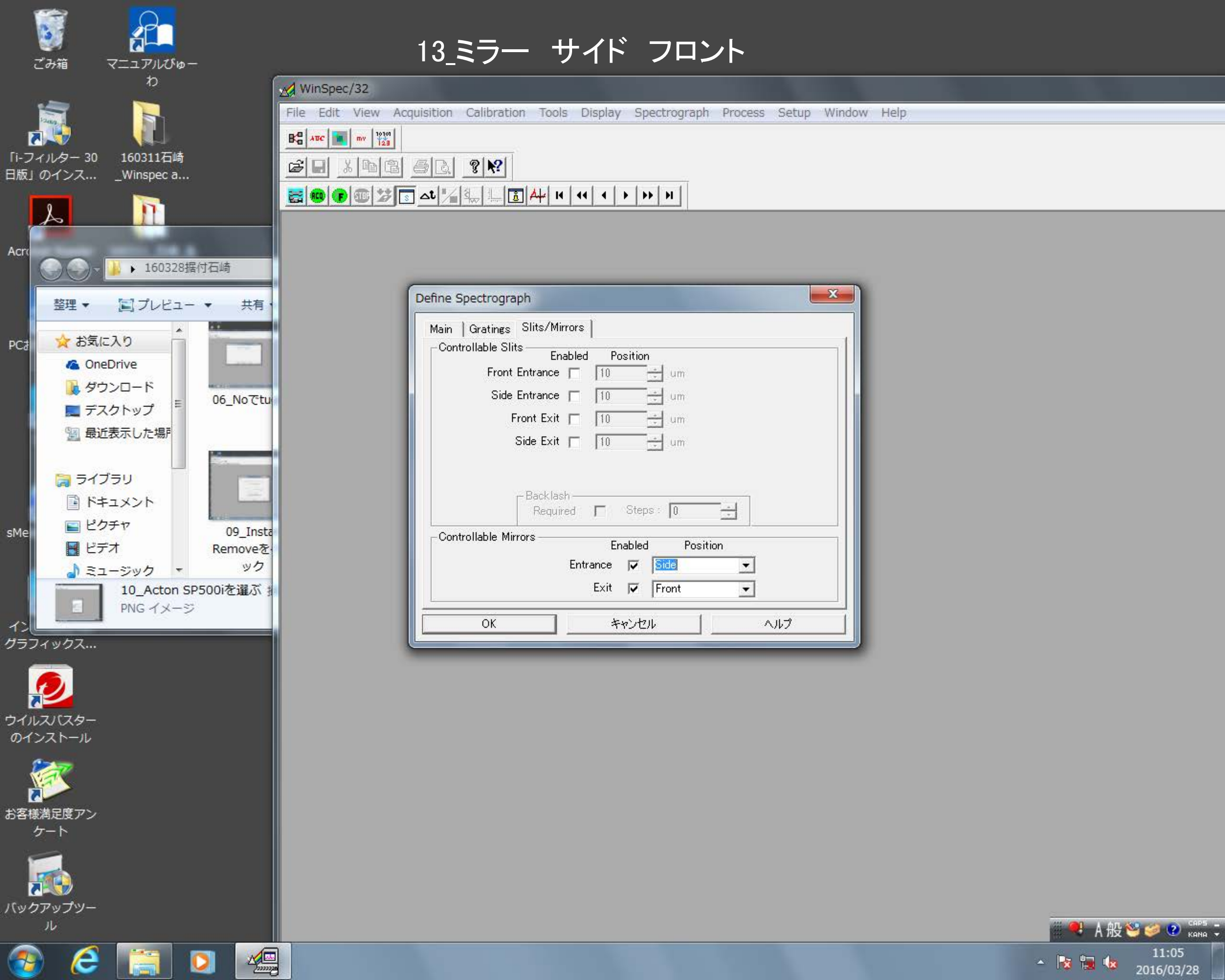
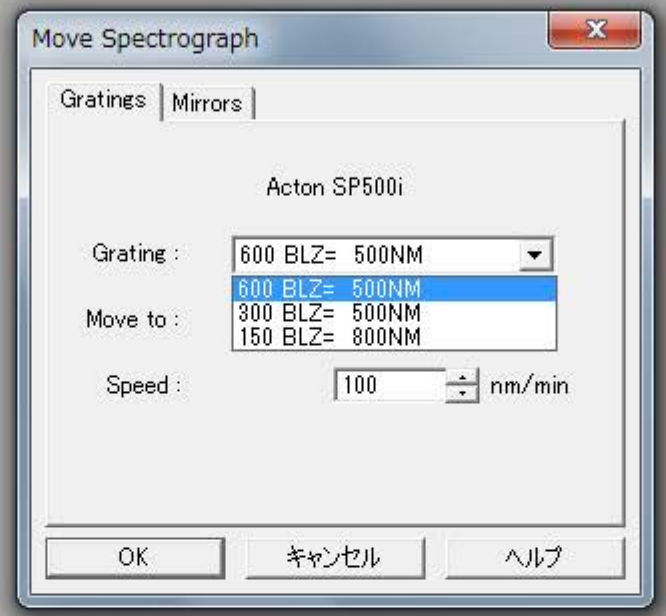
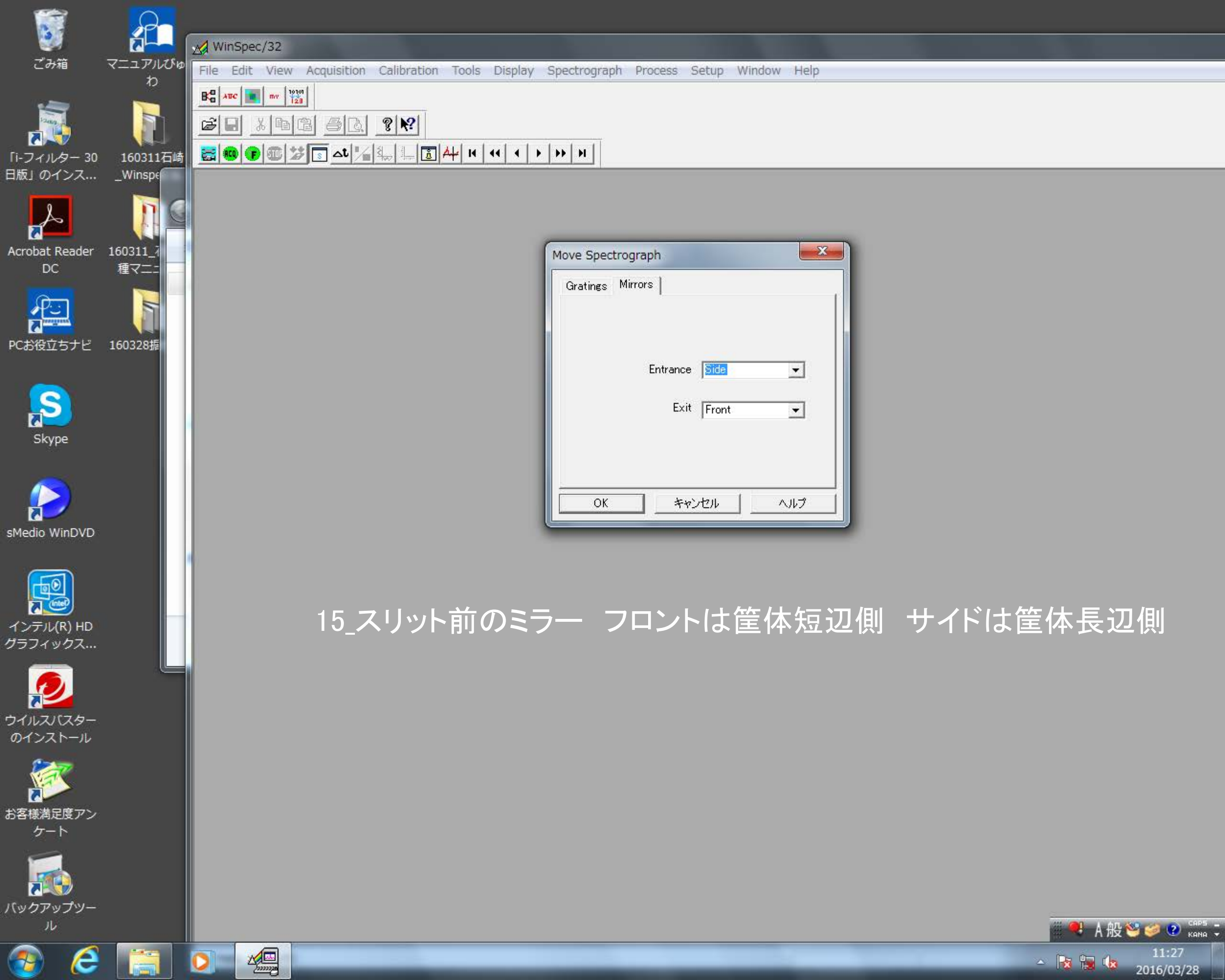
ダウンロード
デスクトップ
最近表示した場所
ライブラリ
ドキュメント
ピクチャ
ビデオ
ミュージック
06_Noでtu
09_Insta Removeを ック
10_Acton SP500iを選ぶ
PNG イメージ
ごみ箱
マニュアルびゅーわ
「i-フィルター 30日版」のインス...
160311石崎_Winspec a...
ウイルスバスターのインストール
お客様満足度アンケート
バックアップツール
11:02
2016/03/28

13_ミラー　サイド　フロント

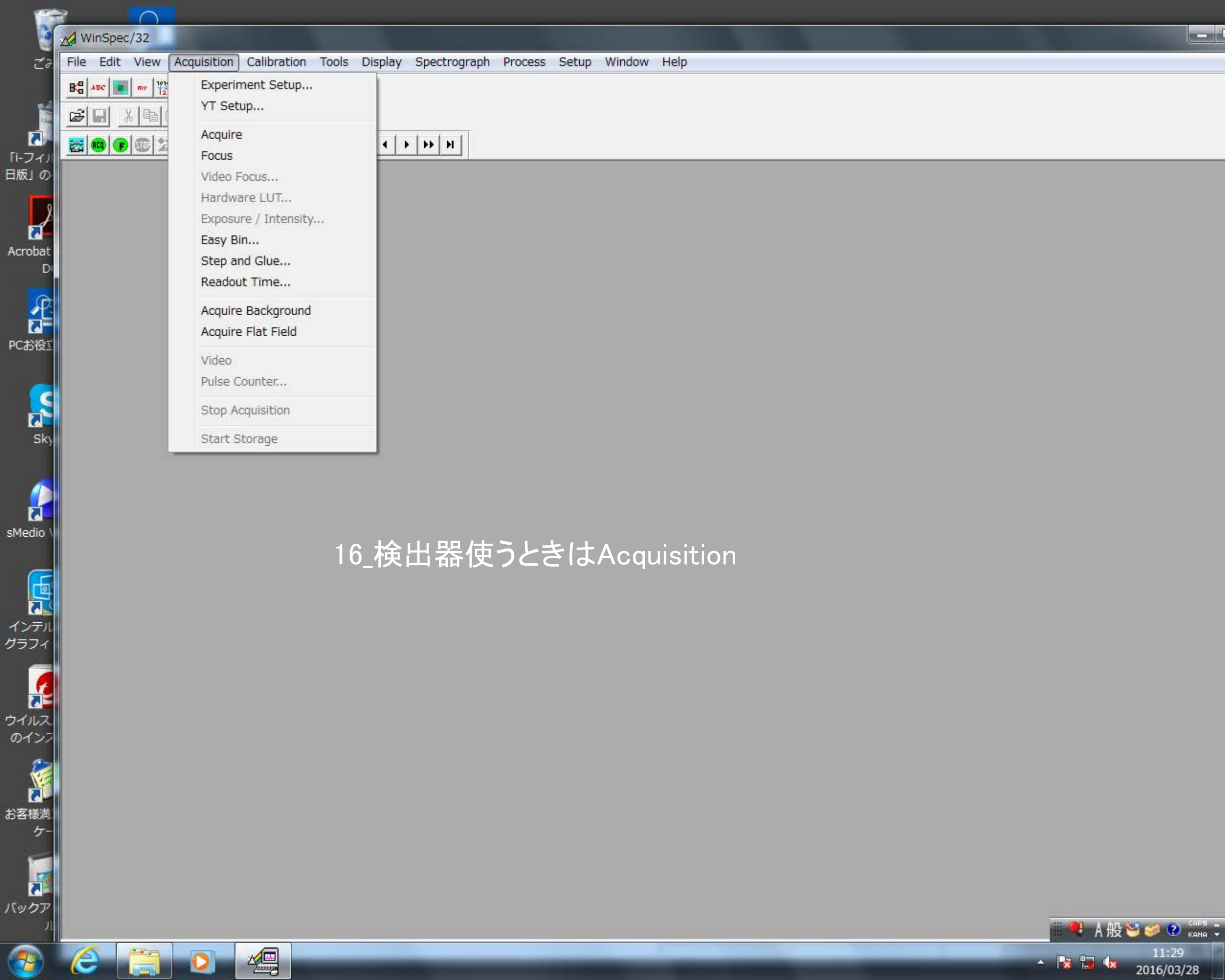


14_回折格子の種類と中心波長





15_スリット前のミラー　フロントは筐体短辺側　サイドは筐体長辺側



16_検出器使うときはAcquisition

WinSpec/32

File Edit View Acquisition Calibration Tools Display Spectrograph Process Setup Window Help

Experiment Setup

ADC | Timing | Processes | Save/Load
Main | Data File | ROI Setup | Data Corrections

Exposure Time
0.100000 sec

Number of Spectra 1

CCD Readout
Use Full Chip Use Region Of Interest
Readout Dimensions: X: 1340 Y: 400

Accumulations
Number: 1

Acquire | Focus | OK | キャンセル | ヘルプ

17_Focusは連続運転　Acquireは1回きり

For Help, press F1

11:34
2016/03/28

WinSpec/32

File Edit View Acquisition Calibration Tools Display Spectrograph Process Setup Window Help

18_FocusとAcquireのショートカット左上の緑の2つ　ACQ, F

For Help, press F1

11:36
2016/03/28

WinSpec/32 - 無題

File Edit View Acquisition Calibration Tools Display Spectrograph Process Setup Window Help

無題 (1340 X 400 X 1)

Experiment Setup

ADC | Timing | Processes | Save/Load
Main | Data File | ROI Setup | Data Corrections

Exposure Time
0.000000 sec

Number of Spectra 1

CCD Readout
Use Full Chip Use Region Of Interest
Readout Dimensions: X: 1340 Y: 400

Accumulations
Number: 1

Acquire Focus OK キャンセル ヘルプ

Strip 1 100 200 300
2622 496
1 600 800 1000 1200
Pixel
2622 496

X= 284 Y= 224 Z= 1 I= 2208

19_冷却時OsとUseFullChipで
Focus押す

For Help, press F1 COMPLETED

11:41
2016/03/28

WinSpec/32 - 無題

File Edit View Acquisition Calibration Tools Display Spectrograph Process Setup Window Help

Hardware...
Detector Temperature...
Pulsers...
Environment...
Custom Toolbar...
Preferences...
Load Factory Defaults
Diagnostics

無題 (1340 X 400 X 1)

Strip 1 100 200 300

1 200 400 600 800 1000 1200
Pixel

2622 496

2622 496

X= 284 Y= 224 Z= 1 I= 2208

20_ 冷却有無の判断は温度から

Control the Detector Temperature

COMPLETED

11:44
2016/03/28

WinSpec/32 - 無題

File Edit View Acquisition Calibration Tools Display Spectrograph Process Setup Window Help

無題 (1340 X 400 X 1)

Strip

Detector Temperature

Target Temperature: -120.0 Set Temp.

Current Temperature: +25.0 Read Temp.

OK Cancel Help

X= 284 Y= 224 Z= 1 I= 2208

21_CurrentTemperatureが−120℃より高いときは液チをたして19の操作

For Help, press F1 COMPLETED

11:45
2016/03/28

WinSpec/32 - 無題

File Edit View Acquisition Calibration Tools Display Spectrograph Process Setup Window Help

無題 (1340 X 400 X 1)

Strip

Detector Temperature

Target Temperature: -120.0 Set Temp.

Temperature Not Available Read Temp.

OK Cancel Help

X= 284 Y= 224 Z= 1 I= 2205

22_Focus 中は温度がみれないので一瞬とめて確認,
液チ投入2回吹くまで。Temp Locked まで
目安2h, 冷えれば50hもつ。

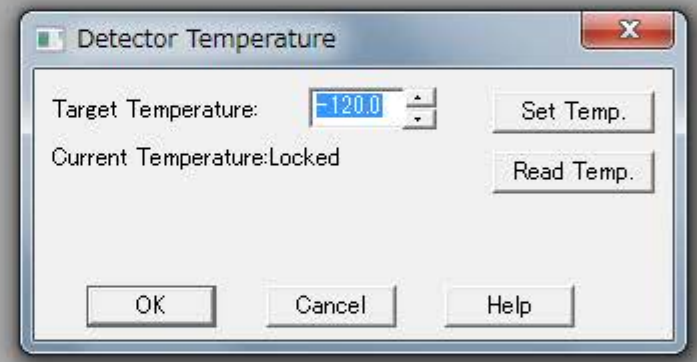
For Help, press F1 Frames: 0 Accums: 0 RUNNING

11:48
2016/03/28

WinSpec/32

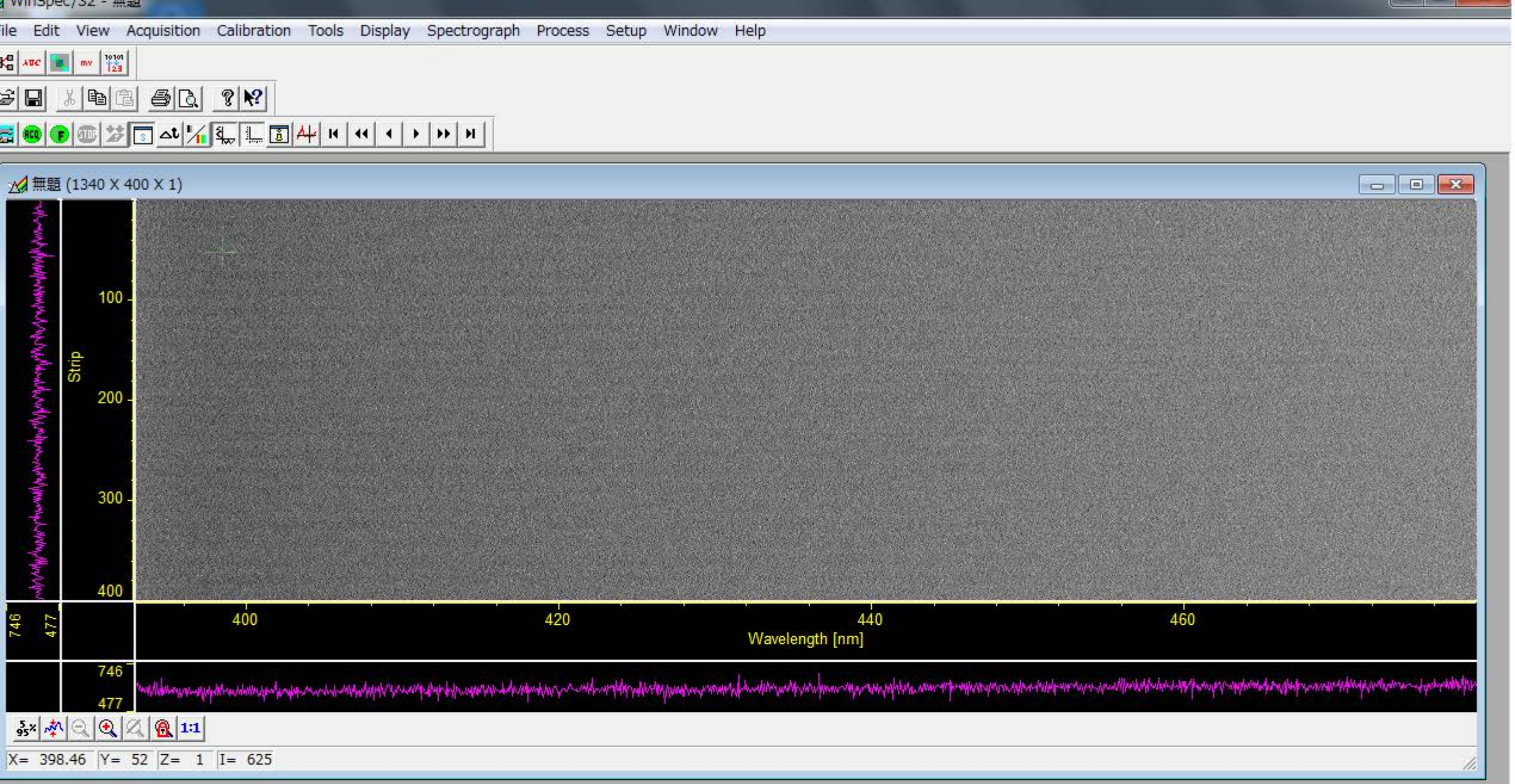
File Edit View Acquisition Calibration Tools Display Spectrograph Process Setup Window Help

23_液窒投入2hでTemperaturLockedの表示　これで使用可能

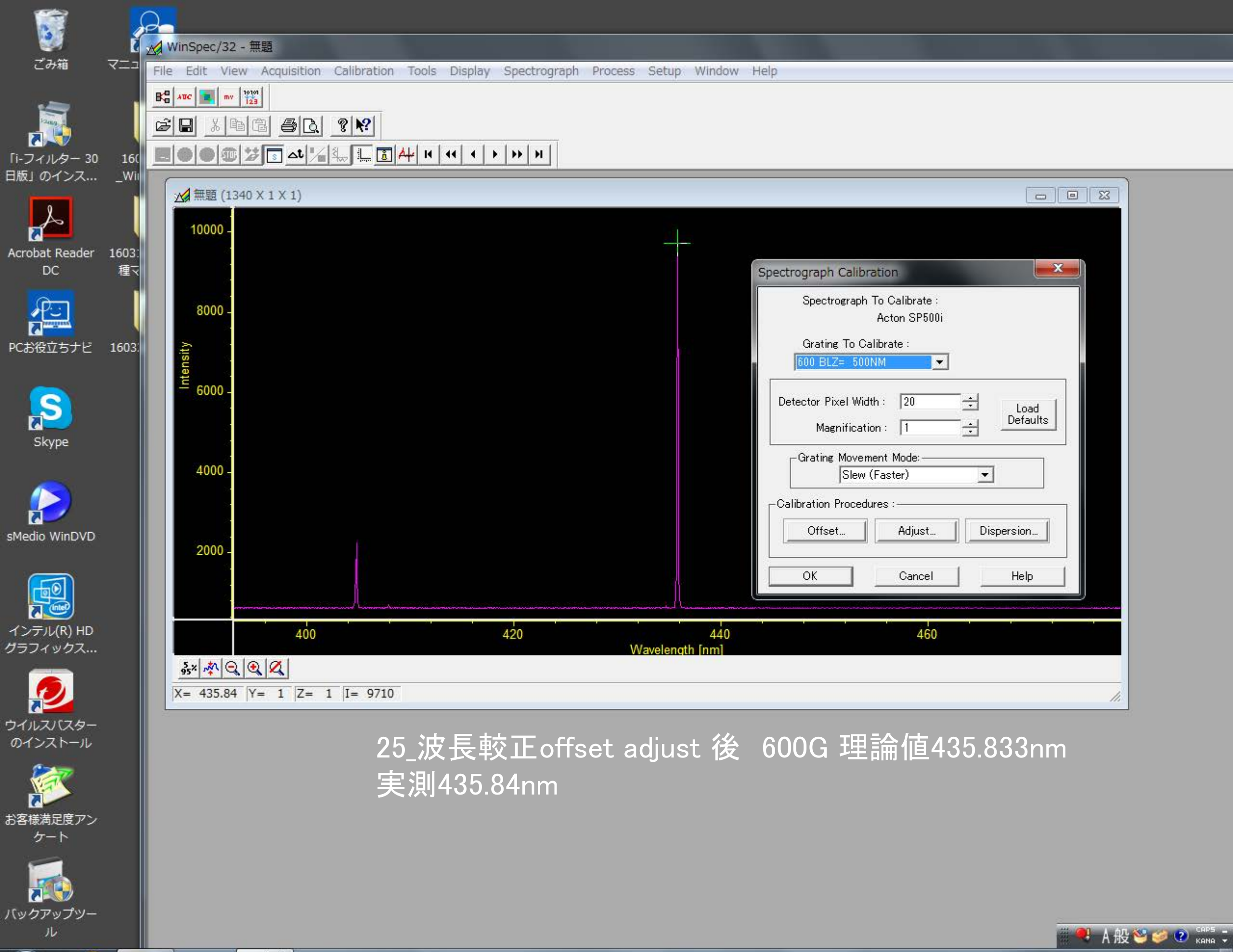


For Help, press F1

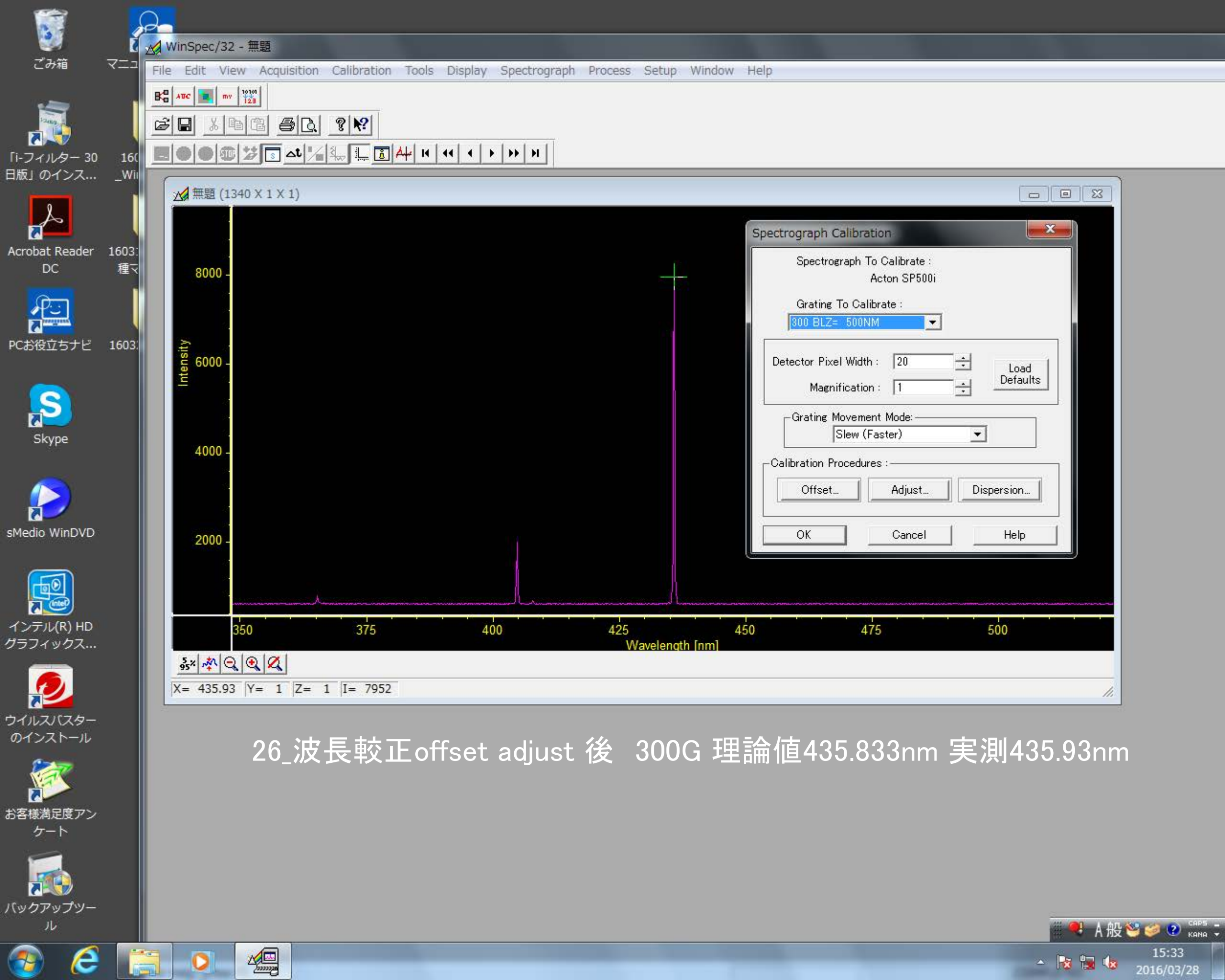
13:39
2016/03/28



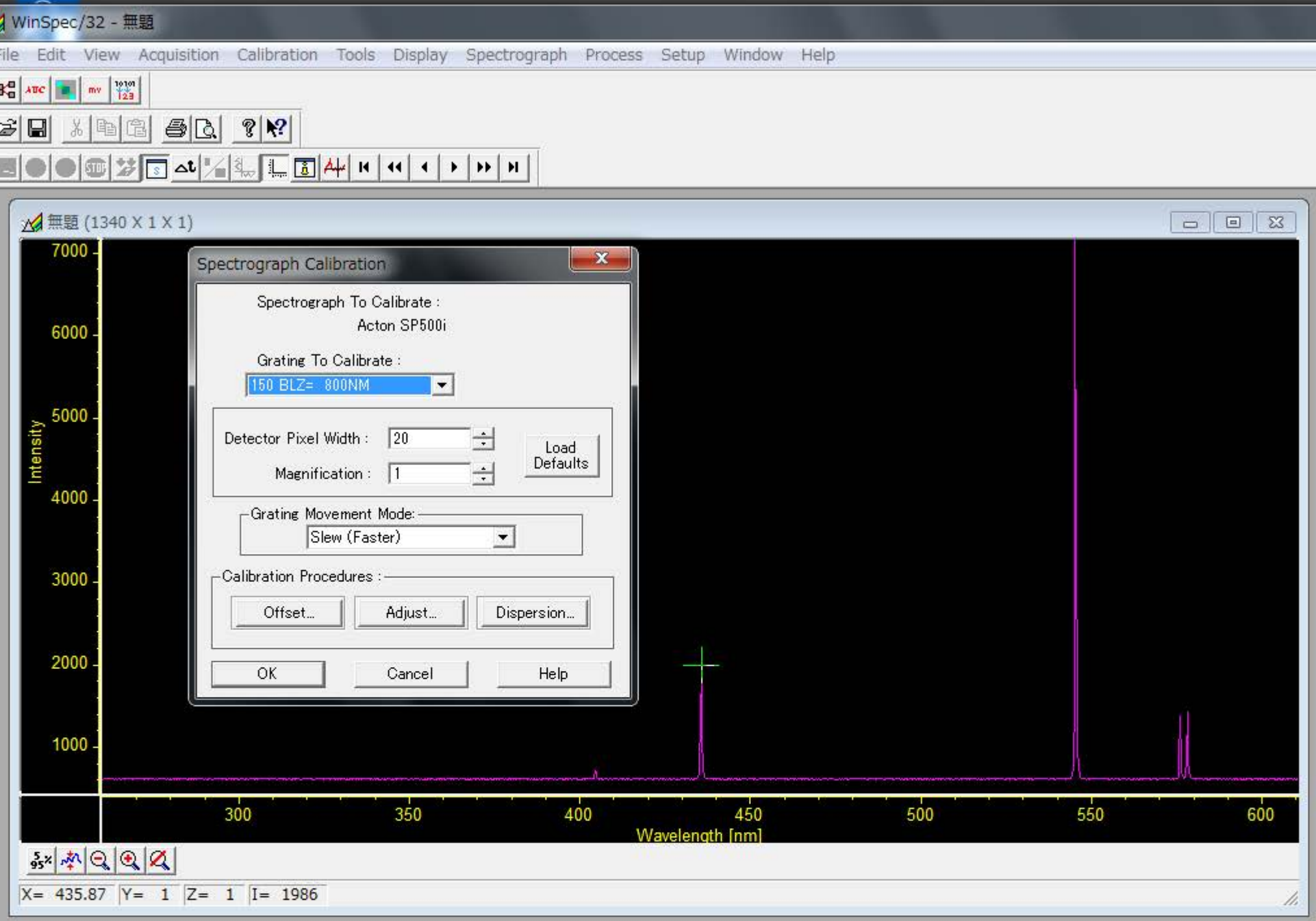
24_4MHzの0sデータ冷却あと　赤紫線が400-800カウント　kHzでは
もう少し下がる



25_波長較正offset adjust 後　600G 理論値435.833nm
実測435.84nm



26_波長較正offset adjust 後　300G 理論値435.833nm 実測435.93nm



27_波長較正offset adjust 後　150G 理論値435.833nm
実測435.87nm